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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b> |  | ATTORNEY'S DOCKET NUMBER<br>B0192.70065US00<br><hr/> U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/590678</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB2005/000774  | INTERNATIONAL FILING DATE<br>28 February 2005 (28.02.2005) | PRIORITY DATE CLAIMED<br>26 February 2004 (26.02.2004)   |
| TITLE OF INVENTION      DETECTION OF HUMAN PAPILLOMAVIRUS   |  |  |
| APPLICANT(S) FOR DO/EO/US      KARLSEN, Frank   |  |  |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Published PCT Application; PCT/IB/301, 304; International Search Report, Written Opinion of the ISA

Express Mail No: EV717505130US

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| U.S. APPLICATION NO. <b>10/590678</b><br>INTERNATIONAL APPLICATION NO. <b>PCT/GB2005/000774</b>   |  | ATTORNEY'S DOCKET NUMBER:<br><b>B0192.70065US00</b>  |              |
| The following fees have been submitted  |  | CALCULATIONS   | PTO USE ONLY |
| 21.   | <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300   | \$ 300.00  |              |
| 22.   | <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$ 0<br>All other situations .....\$200  | \$ 200.00  |              |
| 23.   | <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$ 0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....\$400<br>All other situations .....\$500 | \$ 400.00  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>   |  | <b>\$ 900.00</b>   |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |  |  |              |
| Total Sheets  | Extra sheets   | Number of each additional 50 or fraction thereof (round up to a whole number)                                    | RATE         |
| 44 - 100 =  | 0 /50 =  |  | x \$250.00   |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).   |  | \$   |              |
| CLAIMS  | NUMBER FILED   | NUMBER EXTRA   | RATE         |
| Total claims  | 30 - 20 =  | 10   | x 50.00      |
| Independent claims  | 3 - 3 =  | 0  | x 200.00     |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)   |  | +  | 360.00       |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |  | <b>\$ 1400.00</b>  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |  | \$   |              |
| <b>SUBTOTAL =</b>   |  | <b>\$ 1400.00</b>  |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).  |  | +  | \$           |
| <b>TOTAL NATIONAL FEE =</b>   |  | <b>\$ 1400.00</b>  |              |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |  | +  | \$           |
| <b>TOTAL FEES ENCLOSED =</b>  |  | <b>\$ 1400.00</b>  |              |
|   |  | Amount to be refunded:   | \$           |
|   |  | Amount to be charged:  | \$           |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1400.00</u> to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>23/2825</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23/2825</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |  |  |              |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.<br>SEND ALL CORRESPONDENCE TO:<br>Wolf, Greenfield & Sacks, P.C.<br>600 Atlantic Avenue<br>Boston, Massachusetts 02210-2206<br>Tel. (617) 646-8000<br>CUSTOMER NUMBER: <b>23628</b>   |  |  |              |
|   |  | SIGNATURE: <u>John R. Van Amsterdam</u><br>John R. Van Amsterdam<br>NAME<br><u>40,212</u><br>REGISTRATION NUMBER |              |